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Notice of Allowability	Application No.	Applicant(s)	
	10/020,164	OKADA ET AL.	
	Examiner	Art Unit	
	Lawrence B. Williams	2611	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *amendment filed on 16 June 2006*.

2. ☒ The allowed claim(s) is/are *13,15-21 and 23-27, renumbered as 1, 2-8, 9-13, respectively*.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☒ All b) ☐ Some* c) ☐ None of the:
      1. ☒ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: The instant application discloses a vehicle-to-vehicle communication system. A search of prior art records has failed to disclose a terminal connected to a wire communication network for radio communication wherein: " wherein said transmitter means receives a first baseband signal in a particular format from said wire communication network and modulates a carrier wave using the received first baseband signal into a transmission signal without translating the particular format of the first baseband signal into a different format, wherein the transmission signal is transmitted via a transmitting antenna, wherein said receiver means receives a signal via a receiving antenna, and demodulates the receive signal into a second baseband signal, wherein the second baseband signal is transmitted from said receiver means to said wire communication network without translating a format of the second baseband signal into a different format, wherein said wire communication network includes an optical fiber link for transmitting a signal within said wire communication network, wherein the first baseband signal received by said transmitter is an optical signal, and wherein the second baseband signal transmitted from said receiver means is an optical signal, wherein said transmitter means includes a light controlled oscillator for generating the carrier wave of a predetermined nominal frequency, wherein the first baseband signal received by said transmitter means is applied to said light controlled oscillator, and wherein said light controlled oscillator generates, as the transmission signal, a signal of a frequency shifted from the predetermined nominal frequency according to an intensity of the applied first baseband signal" as disclosed in claim 13.

Nor does the prior art teach a terminal connected to a wire communication network for radio communication, "wherein said transmitter means receives a first baseband signal in a particular format from said wire communication network and modulates a carrier wave using the received first baseband signal into a transmission signal without translating the particular format of the first baseband signal into a different format, wherein the transmission signal is transmitted via a transmitting antenna, wherein said receiver means receives a signal via a receiving antenna, and demodulates the receive signal into a second baseband signal, wherein the second baseband signal is transmitted from said receiver means to said wire communication network without translating a format of the second baseband signal into a different format, wherein said wire communication network includes an optical fiber link for transmitting a signal within said wire communication network, wherein the first baseband signal received by said transmitter is an optical signal, and wherein the second baseband signal transmitted from said receiver means is an optical signal, wherein said transmitter means includes a voltage controlled oscillator for generating the carrier wave of a predetermined nominal frequency and an optical/electrical converter, wherein the first baseband signal received by said transmitter means is applied to said optical/electrical converter, wherein said optical/electrical converter generates an electrical signal of a voltage variable with an intensity of the applied first baseband signal, and wherein said voltage controlled oscillator receives the electrical signal and generates, as the transmission signal, a signal of a frequency shifted from the predetermined nominal frequency according to the voltage level of the received electrical signal" as disclosed in claim 15.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

CONCLUSION

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lawrence B Williams whose telephone number is 571-272-3037. The examiner can normally be reached on Monday-Friday (8:00-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ghayour Mohammad can be reached on 571-272-3021. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lawrence B. Williams

lbw
June 27, 2006

EMMANUEL BAYARD
PRIMARY EXAMINER